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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/564,292	01/10/2006	Kui Yong Lim	DE 030244	6997	
65913 NXP, B.V.	7590 09/07/20	07	EXAMINER BAISA, JOSELITO SASIS		
NXP INTELLI	ECTUAL PROPERTY	DEPARTMENT			
M/S41-SJ 1109 MCKAY	DRIVE		ART UNIT	PAPER NUMBER	
SAN JOSE, CA	A 95131		2832		
			NOTIFICATION DATE	DELIVERY MODE	
			09/07/2007	ELECTRONIC	

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

		Application	No.	Applicant(s)			
Office Action Summary		10/564,292		LIM ET AL.			
		Examiner		Art Unit			
		Joselito Bais	sa	2832			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED S WHICHEVER IS L - Extensions of time may after SIX (6) MONTHS - If NO period for reply is - Failure to reply within the Any reply received by t	TATUTORY PERIOD FOR REPLY ONGER, FROM THE MAILING DATE be available under the provisions of 37 CFR 1.13 from the mailing date of this communication. Specified above, the maximum statutory period when set or extended period for reply will, by statute, the Office later than three months after the mailing sustment. See 37 CFR 1.704(b).	ATE OF THIS 36(a). In no event will apply and will e cause the applica	S COMMUNICATION  I, however, may a reply be time  expire SIX (6) MONTHS from to  ation to become ABANDONED	ely filed ne mailing date of this communication (35 U.S.C. § 133).			
Status							
	to communication(s) filed on 6 Jun						
· <del></del>	This action is <b>FINAL</b> . 2b) ☐ This action is non-final.						
·—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
. Closed III ac	cordance with the practice under E	zx parte Qua	/le, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claim	<b>S</b> .						
4a) Of the at 5) ☐ Claim(s) 6) ☑ Claim(s) <u>1-1</u> 7) ☐ Claim(s)	<ul> <li>O is/are pending in the application.</li> <li>Dove claim(s) is/are withdraw</li> <li> is/are allowed.</li> <li>O is/are rejected.</li> <li> is/are objected to.</li> <li> are subject to restriction and/or</li> </ul>	wn from cons					
Application Papers							
10) The drawing  Applicant ma  Replacement	ation is objected to by the Examine (s) filed on 10 January 2006 is/are: y not request that any objection to the drawing sheet(s) including the correct declaration is objected to by the Ex	: a)⊠ accep drawing(s) be tion is required	held in abeyance. See I if the drawing(s) is obje	37 CFR 1.85(a). ected to. See 37 CFR 1.121(c	i).		
Priority under 35 U.S	s.C. § 119						
<ul> <li>12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a)  All b)  Some * c) None of:</li> <li>1.  Certified copies of the priority documents have been received.</li> <li>2.  Certified copies of the priority documents have been received in Application No</li> <li>3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)  1) Notice of References		. 4	I)  Interview Summary (				
	on's Patent Drawing Review (PTO-948) re Statement(s) (PTO/SB/08) re		Paper No(s)/Mail Da  Notice of Informal Pa  Other:				

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 5-10 rejected under 35 U.S.C. 102(b) as being anticipated by Knutson et

al. [4035695].

Knutson discloses an inductive system comprising a first part in the form of a spiral printed coil

(26, 28, 30) comprising a number of turns at least one turn spacing; and a second part in the form of a

non-printed coil 46 (see figure 2); which coil (26, 28, 30) represented by loop 52 and which non-printed

coil 46 are coupled serially [Col. 2, Lines 45-48, Figure 1] and [Col. 3, Lines 36-38, Figure 2].

With respect to claim 10, the claims are method counterpart of structure of claim 1 and

method steps therefore are inherent for manufacturing an inductive system comprising a first part

in the form of a printed coil and a second part in the form of a non-printed coil.

Regarding claim 2, Knutson discloses the non-printed coil 46 comprises an air coil comprising a

further number of turns defined by at least one wire diameter and at least one coil diameter [Col. 3, Lines

36-38, Figure 2].

Regarding claim 3, Knutson discloses a total inductance of the inductive-system is substantially

equal to an inductance of the coil (26, 28, 30) represented by loop 52 plus an inductance of the air coil 46

plus a mutual inductance [Abstract].

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Regarding claim 4, Knutson discloses the value of the mutual inductance has been chosen by combining a right turn coil or a left turn coil with a clockwise coil or an anti-clockwise coil (46) and by selecting the length of the air coil 46 until a maximum overlapping area between the coil coil (26, 28, 30) represented by loop 52 and the air coil 46 has been reached [Col. 3, Lines 57-67, Figure 2].

Regarding claim 5, Knutson discloses the number of turns (26, 28) are further defined by a diameter of a center path and a turning direction, with the further number of turns (26, 28) being further defined by a turning orientation [Col. 2, Lines 45-50, Figure 1].

Regarding claim 6, Knutson discloses one end of the non-printed coil 46 is coupled to a center end of the coil (26, 28, 30) represented by loop 52, with the other end of the non-printed coil 46 and an outer end of the coil (26, 28, 30) represented by loop 52 constituting ends of the inductive-system [Col. 3, Lines 28-38, Figures 1 and 2].

Regarding claim 7, Knutson discloses the coil (26, 28, 30) represented by loop 52 is on an inner or an outer layer of a printed circuit board (40, 10) [Col. 3, Lines 28-38, Figure 2].

Regarding claim 8, Knutson discloses printed circuit board (40, 10) which comprises an inductive-system comprising a first part in the form of a spiral printed coil (26, 28, 30) represented by loop 52 comprising a number of turns (26, 28) and at least one turn spacing; and a second part in the form of a non-printed coil which printed coil (26, 28, 30) represented by loop 52 and which non-primed coil 46 are coupled serially, and which coil is printed on an inner or outer layer of the printed circuit board 940, 10) [Col. 2, Lines 45-48, Figure 1] and [Col. 3, Lines 36-38, Figure 2].

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Regarding claim 9, Knutson discloses an inductive-system comprising a first part in the form of a spiral printed coil (26, 28, 30) represented by loop 52 comprising a number of turns (26, 28) defined by at least one track width and at least one turn spacing; and a second part in the form of a non-printed coil 46; which coil (26, 28, 30) represented by loop 52 and which non- printed coil 46 are coupled serially [Col. 2, Lines 45-48, Figure 1] and [Col. 3, Lines 36-38, Figure 2].

## Response to Argument

Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

Knutson discloses an inductive system comprising a first part in the form of a spiral printed coil comprising a number of turns at least one turn spacing; and a second part in the form of a non-printed coil (see figure 2); which coil (26, 28, 30, Figure 1) represented by loop 52 and which non-printed coil 46 are coupled serially.

## Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be

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calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joselito Baisa whose telephone number is (571) 272-7132. The examiner can normally be reached on M-F 5:30 am to 2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Joselito Baisa

Examiner

GUY GATENT EXAMINER

jsb